

# CPC COOPERATIVE PATENT CLASSIFICATION

## C05B PHOSPHATIC FERTILISERS

### WARNING

IPC group [C05B 21/00](#) is not used in the internal ECLA classification scheme. Subject matter covered by this group is classified in one of the ECLA groups [C05B 1/00](#) to [C05B 19/00](#) (see internal note after the title of class [C05](#))

- C05B 1/00** Superphosphates, i.e. fertilisers produced by reacting rock or bone phosphates with sulfuric or phosphoric acid in such amounts and concentrations as to yield solid products directly
- C05B 1/02 . Superphosphates
- C05B 1/04 . Double-superphosphate; Triple-superphosphate; Other fertilisers based essentially on monocalcium phosphate
- C05B 1/06 . Ammoniation of superphosphates (fertilisers based essentially on ammonium orthophosphate [C05B 7/00](#))
- C05B 1/10 . Apparatus for the manufacture of superphosphates
- C05B 3/00** Fertilisers based essentially on di-calcium phosphate ([C05B 11/00](#) takes precedence)
- C05B 5/00** Thomas phosphate; Other slag phosphates
- C05B 7/00** Fertilisers based essentially on alkali or ammonium orthophosphates ([C05B 11/00](#) takes precedence)
- C05B 9/00** Fertilisers based essentially on phosphates or double phosphates of magnesium ([C05B 11/00](#) takes precedence)
- C05B 11/00** Fertilisers produced by wet-treating or leaching raw materials either with acids in such amounts and concentrations as to yield solutions followed by neutralisation, or with alkaline lyes
- C05B 11/02 . Pretreatment
- C05B 11/04 . using mineral acid
- C05B 11/06 . . using nitric acid (nitrophosphates)
- C05B 11/08 . . using sulfuric acid

- C05B 11/10 . . using orthophosphoric acid
- C05B 11/12 . . using aqueous hydrochloric acid
- C05B 11/14 . . using wet gaseous acids
  
- C05B 11/16 . using alkaline lyes

**C05B 13/00 Fertilisers produced by pyrogenic processes from phosphatic materials**

- C05B 13/02 . from rock phosphates ([C05B 13/06](#) takes precedence)
- C05B 13/04 . from metallic phosphorus compounds, e.g. ferro-phosphorus
- C05B 13/06 . Alkali and alkaline earth meta- or polyphosphate fertilisers

**C05B 15/00 Organic phosphatic fertilisers ([bone meal C05B 17/00](#))**

**C05B 17/00 Other phosphatic fertilisers, e.g. soft rock phosphates, bone meal**

- C05B 17/02 . containing manganese

**C05B 19/00 Granulation or pelletisation of phosphatic fertilisers, other than slag ([granulating apparatus B01J 2/00](#); [granulating slag C04B](#))**

- C05B 19/02 . of superphosphates or mixtures containing them